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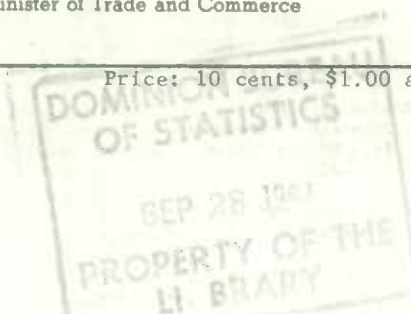
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ELECTRIC POWER STATISTICS

JULY 1964



This report is the second of a revised series which contains several conceptual additions. Table 1 contains preliminary statistics on energy generation, imports, exports and secondary for the current month. These preliminary statistics indicate that total net generation increased 12.6 per cent to 10,633,406 thousand kwh. in July 1964 from 9,446,570 thousand kwh. generated one year ago.

Imports increased to 279,464 thousand kwh. from 242,981 thousand kwh. and exports increased to 337,604 thousand kwh. from 259,330 thousand kwh. in July 1963.

Firm energy used in Canada rose to 10,192,658 thousand kwh. from 9,134,303 thousand kwh. in July 1963. These two figures are not directly comparable as the 382,608 thousand kwh. of secondary energy used in Canada in July 1964 is composed of 250,869 thousand kwh. used in electric boilers and 131,739 thousand kwh. of secondary energy used for other purposes whereas the 295,918 thousand kwh. used in 1963 was boiler load only.

Table 2 shows detailed data concerning the amount of energy made available and the disposition of this energy. These figures include a breakdown of sales by rate categories for large utilities and industries while distribution by smaller utilities and industries is included in "distribution by non-respondents" (item 28). Distribution by non-respondents is the energy which is delivered by companies which report in this survey to companies which do not report. Consumption of own generation by industrial establishments is included in power sales. Comparable January 1963 data is shown for all categories where it is available. It is expected that the present delay of six months between the publication of the preliminary and final data will be gradually reduced as reporting procedures and compilation methods become more refined.

Tables 3, 4 and 5 give final data for January and February 1964 and preliminary data for other months. In table 3, the secondary energy includes both that used in electric boilers and that used for other purposes. In February, of the 235,561 thousand kwh. of secondary energy 170,132 thousand kwh. were used in electric boilers and 65,429 thousand kwh. were used for other purposes.

The total net generation for the twelve-month period ending July 31, 1964 amounted to 128,475,203 thousand kwh. compared to 127,288,367 for the period ending in June.

Monthly electric power statistics are designed to provide current information on the production and consumption of electric energy in Canada. In order to expedite the collection and compilation of returns, the series is confined to firms which generate a minimum of 10 million kwh. per annum and to large distributors of electric energy. These firms accounted for 99.6 per cent of total production in 1962.

In the electric power series, net generation is defined as total generation less the amount used in station service.

Industry Division

September 1964
6511-513

TABLE 1. Preliminary Electric Energy Statistics
July 1964

No.		Canada 1963	Canada	Newfoundland	Prince Edward Island	Nova Scotia
				thousand kwh.		
1	Net generation - Hydro	8,211,933 ^r	9,269,767	176,280	-	43,885
2	Thermal	1,234,637 ^r	1,363,639	15,058	9,602	127,311
3	Total net generation	9,446,570 ^r	10,633,406	191,338	9,602	171,196
	Energy imported:					
4	From other provinces .....	...	...	-	-	7,793
5	From United States	242,981	279,464	-	-	-
6	Totals	242,981	279,464	-	-	7,793
	Energy exported:					
7	To other provinces - Firm .....	...	...	6,150	-	676
8	Secondary .....	...	...	1,189	-	1,558
9	To United States - Firm	70,388	64,634	-	-	-
10	Secondary	188,942	272,970	-	-	-
11	Totals	259,330	337,604	7,339	-	2,234
12	Net energy used in Canada	9,430,221 ^r	10,575,266	183,999	9,602	176,755
13	Secondary energy used in Canada(1)	295,918	382,608	70	-	-
14	Firm energy used in Canada	9,134,303 ^r	10,192,658	183,929	9,602	176,755

(1) Secondary energy for use in other than electric boilers amounted to 112,749 thousand kwh. in Quebec and 18,990 thousand kwh. in Ontario.

TABLE 2. Supply and Demand of Electric Energy
February 1964

No.		Canada 1963	Canada	Newfoundland	Prince Edward Island	Nova Scotia
				thousand kwh.		
	<u>Supply of electric energy</u>					
	Net generation:					
1	Utilities - Hydro	6,021,397	6,974,373	150,142	-	65,347
2	Thermal	1,587,000	1,511,183	4,459	10,014	116,738
3	Totals	7,608,397	8,485,556	154,601	10,014	182,085
4	Industry - Hydro	1,837,229	2,086,693	33,348	-	3,430
5	Thermal	205,461	284,238	3,680	-	17,676
6	Totals	2,042,690	2,370,931	37,028	-	21,106
7	Grand total - Hydro	7,858,626	9,061,066	183,490	-	68,777
8	Thermal	1,792,461	1,795,421	8,139	10,014	134,414
9	Total net generation	9,651,087	10,856,487	191,629	10,014	203,191
	Energy imported:					
10	From other provinces .....	...	...	-	-	-
11	From United States	244,302	206,294	-	-	-
12	Totals	244,302	206,294	-	-	-
13	Total supply of electric energy	9,895,389	11,062,781	191,629	10,014	203,191
	<u>Demand for electric energy</u>					
	Sales:					
14	Domestic .....	..	2,312,091	21,600	3,566	53,167
15	Farm(1) .....	..	92,606	-	-	-
16	General service (commercial) .....	..	934,538	6,876	4,477	36,543
17	Power - Firm .....	..	6,035,298	149,465	10	74,461
18	Secondary .....	..	235,561	1,159	-	172
19	Total power .....	..	6,270,859	150,624	10	74,633
20	Street lighting .....	..	71,711	569	135	1,592
21	Total sales .....	..	9,681,805	179,669	8,188	165,935
	Energy exported:					
22	To other provinces - Firm .....	...	...	7,265	-	-
23	Secondary .....	...	...	-	-	13,470
24	To United States - Firm	66,988	70,122	-	-	-
25	Secondary	253,377	272,730	-	-	-
26	Total energy exported	320,365	342,852	7,265	-	13,470
27	Unallocated energy(2) .....	..	679,568	4,695	1,666	10,782
28	Distribution by non-respondents .....	..	358,556	-	160	13,004
29	Total demand for electric energy .....	..	11,062,781	191,629	10,014	203,191

(1) Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.
(2) Includes losses, unaccounted for, and cyclical billing adjustment.

TABLE 1. Preliminary Electric Energy Statistics
July 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousand kwh.								
102,205	4,648,311	2,449,979	370,076	129,932	98,809	1,234,435	15,855	1
115,613	30,953	572,317	5,178	118,894	274,938	91,683	2,092	2
217,818	4,679,264	3,022,296	375,254	248,826	373,747	1,326,118	17,947	3
4,051	8,448	557,448	58,865	1,078	4,412	284	-	4
260	50	276,222	-	-	-	2,932	-	5
4,311	8,498	833,670	58,865	1,078	4,412	3,216	-	6
-	338,759	-	1,419	48,510	284	4,412	-	7
7,793	220,165	11,464	-	-	-	-	-	8
13,643	995	49,743	-	-	-	253	-	9
3,763	4,708	261,620	-	-	-	2,879	-	10
25,199	564,627	322,827	1,419	48,510	284	7,544	-	11
196,930	4,123,135	3,533,139	432,700	201,394	377,875	1,321,790	17,947	12
-	309,228	48,744	4,383	1,888	-	15,195	3,100	13
196,930	3,813,907	3,484,395	428,317	199,506	377,875	1,306,595	14,847	14

* Revised figures.

... Figures not appropriate or not applicable.

TABLE 2. Supply and Demand of Electric Energy
February 1964

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousand kwh.								
43,596	3,191,993	2,314,441	419,115	90,382	59,533	624,698	15,126	1
88,735	627	751,246	13,474	173,612	315,997	33,529	2,752	2
132,331	3,192,620	3,065,687	432,589	263,994	375,530	658,227	17,878	3
2,839	1,310,001	123,857	5,294	6,378	-	598,356	3,190	4
49,371	29,534	77,396	2,134	22	28,884	75,541	-	5
52,210	1,339,535	201,253	7,428	6,400	28,884	673,897	3,190	6
46,435	4,501,994	2,438,298	424,409	96,760	59,533	1,223,054	18,316	7
138,106	30,161	828,642	15,608	173,634	344,881	109,070	2,752	8
184,541	4,532,155	3,266,940	440,017	270,394	404,414	1,332,124	21,068	9
15,205	8,566	634,136	76,016	1,150	1,456	5,323	-	10
1,045	64	202,827	-	-	-	2,358	-	11
16,250	8,630	836,963	76,016	1,150	1,456	7,681	-	12
200,791	4,540,785	4,103,903	516,033	271,544	405,870	1,339,805	21,068	13
41,059	692,385	977,711	143,229	61,505	94,903	221,290	1,676	14
-	-	-	31,868	31,180	29,558	-	-	15
20,834	219,938	335,874	63,947	36,535	61,937	146,473	1,104	16
111,118	2,591,718	1,781,711	219,047	70,810	180,275	846,812	9,871	17
-	133,976	47,020	17,773	1,476	1,089	26,916	5,980	18
111,118	2,725,694	1,828,731	236,820	72,286	181,364	873,728	15,851	19
1,681	18,652	25,908	5,481	2,654	7,047	7,960	32	20
174,692	3,656,669	3,168,224	481,345	204,160	374,809	1,249,451	18,663	21
-	354,683	1,296	1,315	50,665	5,323	1,456	-	22
-	281,023	25,356	-	-	-	-	-	23
12,392	1,411	56,194	-	-	-	125	-	24
5,512	6,281	258,609	-	-	-	2,328	-	25
17,904	643,398	341,455	1,315	50,665	5,323	3,909	-	26
5,999	200,948	317,399	33,373	14,216	18,957	69,194	2,339	27
2,196	39,770	276,825	-	2,503	6,781	17,251	66	28
200,791	4,540,785	4,103,903	516,033	271,544	405,870	1,339,805	21,068	29

.. Figures not available.

... Figures not appropriate or not applicable.



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TABLE 3. Supply of Electric Energy

January - July 1964

Month	Total net generation	Imports from United States	Exports to United States	Net energy used in Canada	Secondary energy used in Canada	Firm energy used in Canada	Daily average, total net generation
thousand kwh.							
January	11,674,881	181,965	406,713	11,450,133	250,727	11,199,406	376,609
February	10,856,487 ^r	206,294	342,852	10,719,929 ^r	235,561 ^r	10,484,368 ^r	374,362 ^r
March	11,358,497	207,822	333,486	11,232,833	223,013	11,009,820	366,403
April	10,842,875	182,453	343,625	10,681,703	187,646	10,494,057	361,423
May	10,731,666	244,896	336,816	10,639,746	278,867	10,360,879	346,186
June	10,451,624	268,675	265,943	10,454,356	296,945 ^r	10,157,411 ^r	339,187
July	10,633,406	279,464	337,604	10,575,266	382,608	10,192,658	343,013
August							
September							
October							
November							
December							
Year							

^r Revised figures.

TABLE 4. Sales of Electric Energy to Ultimate Customers

January - February 1964

Month	Domestic	Farm(1)	General service (commercial)	Firm power	Secondary power	Total power	Street lighting	Total sales to ultimate customers
thousand kwh.								
January	2,424,569 ^r	83,464	950,408	6,255,348	250,727	6,506,075	78,985	10,043,501
February	2,312,091	92,606	934,538	6,035,298	235,561	6,270,859	71,711	9,681,805
March								
April								
May								
June								
July								
August								
September								
October								
November								
December								
Year								

(1) Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

^r Revised figures.

TABLE 5. Net Generation, 1960-64

CANADA

Year and month	Utilities			Industry			Grand total
	Hydro	Thermal	Total	Hydro	Thermal	Total	
thousand kwh.							
1960	83,024,886	5,957,979	88,982,865	22,743,499	2,313,010	25,056,509	114,039,375
1961	82,014,614	7,049,079	89,063,693	21,660,132	2,497,588	24,157,720	113,221,413
1962	80,861,406	10,781,660	91,643,066	22,789,817	2,570,288	25,360,105	117,003,171
1963	80,214,421	15,428,726	95,643,147	23,102,958	2,811,630	25,914,588	121,557,735
1964							
1964 - January	7,431,032	1,738,748	9,169,780	2,224,468	280,633	2,505,101	11,674,881
February ...	6,974,373 ^r	1,511,183 ^r	8,485,556 ^r	2,086,693	284,238 ^r	2,370,931 ^r	10,856,487 ^r
March	7,469,746	1,360,389	8,830,135	2,229,351	299,011	2,528,362	11,358,497
April	7,146,081	1,227,734	8,373,815	2,181,519	287,541	2,469,060	10,842,875
May	7,326,441	858,015	8,184,456	2,255,018	292,192	2,547,210	10,731,666
June	6,871,958	928,685	7,800,643	2,387,462 ^r	263,519 ^r	2,650,981	10,451,624
July	6,842,234	1,090,081	7,932,315	2,427,533	273,558	2,701,091	10,633,406
August							
September ..							
October							
November ...							
December ...							

^r Revised figures.